

### **Partnership with Sweden Fueling Job Creation and Growth of Michigan's Bio-Economy**

During an October visit to Sweden, Michigan Governor Jennifer Granholm announced that Swedish Biogas International AB is conducting an engineering study for a co-digestion project at Reed City's municipal wastewater treatment plant to produce energy from municipal and agricultural waste. General Mills' Yoplait plant in Reed City, one of the largest yogurt plants in the world, is in discussions to possibly provide feed sources for the digester. Since 2008, Michigan has announced the creation of approximately 90,000 clean energy jobs from 47 companies that are investing more than \$9.4 billion in the state.

### **U.S. Cities Show Global Leadership at European Green Conference**

During the October conference marking Stockholm as Europe's Green Capital for 2010, 11 U.S. mayors shared their urban sustainability efforts with European peers. Presidents of the National League of Cities, Mayor Ron Loveridge of Riverside, California, and the U.S. Conference of Mayors, Mayor Elizabeth Kautz of Burnsville, Minnesota were joined by mayors from Portland, Oregon; Boulder, Colorado; Madison, Wisconsin; Cambridge, Massachusetts; Lawrence, New Jersey; Bayfield, Wisconsin; Tallahassee, Florida; Minneapolis, Minnesota; and Portsmouth, New Hampshire.

### **Swedish Company GLO AB Establishes New Engineering Center in Silicon Valley**

Lund-based nanowire light-emitting diodes (nLED) developer GLO AB announced the closing of an approximately \$25 million investment round and establishment of a California-based engineering center to supplement its current efforts in Sweden and Denmark. Partners include Swedish, Norwegian and California venture capital firms, and the investment arm of Lund University.

### **Skanska to Construct First Bus Depot in Europe for Liquid BioGas**

In Uppsala, Sweden, Skanska will construct Europe's first bus depot equipped with cooled Liquid BioGas (LBG). The depot will also be adapted for use of locally cultivated Rapeseed Methyl Ester (RME). Construction is scheduled to be completed by spring 2012.

### **Scania Collaborating in Biofuel Research**

Scania Trucks has been granted around \$4.4 million by Sweden's Strategic Vehicle Research and Innovation Initiative to develop a biofuel engine for heavy commercial vehicles. Scania will focus on developing an engine that combines the high energy efficiency of diesel (compression ignition) technology with the more efficient exhaust after treatment system of Otto (spark ignition) technology. The research will involve development of innovative technology for alcohol- and methane gas-based fuels, including systems for premixed combustion and ignition of fuel, gas exchange systems, optimized valve performance, exhaust gas recirculation and use of advanced catalyst technology for efficient exhaust after-treatment. Scania is working with the Royal Institute of Technology in Stockholm, Lund University and Chalmers University of Technology in Gothenburg, Sweden.

### **Florida Scientist Examines Permafrost in Abisko, Norrland in Collaboration with Stockholm University**

A three-year, \$2.8 million grant from DOE will fund a collaborative investigation by five universities on three continents. The University of Arizona leads the team, which includes a Florida State University researcher embarking on a new study on permafrost decomposition in arctic Sweden. Other Universities are in New Hampshire, Stockholm and Queensland, Australia. The warming climate is causing Swedish permafrost to thaw and decompose, which is releasing carbon dioxide and methane, creating a feedback loop of further warming temperatures and accelerating permafrost's decomposition.

### **Solazyme Completes World's Largest Microbial Advanced Biofuel Delivery to U.S. Military**

Solazyme, a renewable oil production company in algal biotechnology, completed delivery of over 20,000 gallons of algal-derived shipboard fuel to the U.S. Navy, the world's largest delivery of 100% microbial-derived, non-alcohol, and advanced biofuel. Solazyme signed a new contract with the U.S. Department of Defense for research and development to produce 150,000 additional gallons in 2010-2011.

